|                    | Index of Claims |            |           |  |          |              |           |          |                 |              |                             |          |          |          |                 |              |           |          |              |  |       |            |                 | Reexamination |                |                 |          |          |           |  |   |
|--------------------|-----------------|------------|-----------|--|----------|--------------|-----------|----------|-----------------|--------------|-----------------------------|----------|----------|----------|-----------------|--------------|-----------|----------|--------------|--|-------|------------|-----------------|---------------|----------------|-----------------|----------|----------|-----------|--|---|
|                    |                 |            |           |  |          |              |           |          |                 |              |                             |          |          | 1        | 10/717,188      |              |           |          |              |  |       |            |                 |               | JOE ET AL.     |                 |          |          |           |  |   |
|                    |                 |            |           |  |          |              |           |          |                 |              |                             |          |          |          | Examiner        |              |           |          |              |  |       |            |                 | Art Unit      |                |                 |          |          |           |  |   |
|                    |                 |            |           |  |          |              |           |          |                 |              |                             |          |          | 1_       | Dac V. Ha       |              |           |          |              |  |       |            |                 |               |                |                 |          |          |           |  |   |
| <u>  Da</u>        |                 |            |           |  |          |              |           |          |                 |              |                             |          |          | ac       | <u>V.</u>       | Ha           |           |          |              |  |       |            | 2611            |               |                |                 |          |          |           |  |   |
|                    |                 |            | Г         |  |          |              | 7         |          |                 | <b>/</b> *!  |                             |          |          |          |                 | ١            | $\neg$    |          | _            |  |       | ٦          | П               |               |                |                 |          |          |           |  |   |
| √ Rejected   - (II |                 |            |           |  |          |              |           |          |                 | (Ih          | Through numera<br>Cancelled |          |          |          |                 | ar) Non-     |           |          | n-E          | -Elected                                     |       |            | A               | Appeal        |                |                 |          |          |           |  |   |
|                    |                 |            | $\vdash$  | <del>                                     </del> |          |              | $\dashv$  |          | Cancelled       |              |                             |          | —  ├     |          |                 | -            |           |          |              |  |       |            |                 |               | $\dashv$       |                 |          |          |           |  |   |
|                    |                 |            | =         | Allowed  |          |              |           |          | ÷               | ÷ Restricted |                             |          |          |          |                 |              | Inte      | erfe     | eren         | се   |       | o          | (               | Obje          | ecte           | d               |          |          |           |  |   |
|                    |                 |            | L         | L_   |          |              |           |          | Ш               |              |                             |          |          |          |                 |              |           |          |              | -  | _     | Ш          |                 |               |                |                 |          |          |           |  |   |
|                    | Cla             | aim        |           | Date   |          |              |           |          |                 | ٦ [          | Claim                       |          |          |          | Date            |              |           |          |              | ٦ [  |       | laim       | П               | Date          |                |                 | •        |          |           |  |   |
|                    |                 | ī.         | 20/8/10   |  |          |              |           |          |                 | 7 [          |                             | न्न      |          |          |                 |              |           |          |              | 1 [  |       | 1          |                 |               |                | П               |          |          |           |  |   |
|                    | Final           | Originat   | 100       |  |          |              | ŀ         |          |                 |              | Final                       | Original |          |          |                 |              | - 1       |          |              |  | Final | Original   |                 |               |                |                 |          |          |           |  |   |
|                    | "               | ō          | 10        |  |          |              | 1         |          |                 |              | ۳.                          | ŏ        |          |          |                 |              |           |          |              |  | u.    | ŏ          | Н               |               | ľ              |                 | ı        |          |           |  |   |
|                    |                 | (1)        | 7         |  |          |              |           |          |                 | 1 [          |                             | 51       |          |          |                 |              |           |          |              | 1 [  |       | 101        | П               |               |                | ·               |          |          |           |  |   |
|                    |                 | 3          | 1         | H  |          | - -          |           | <u> </u> |                 | ┨├           | _                           | 52<br>53 | +        | -        | $\vdash \vdash$ | _            | -         | _        | ╀            | <b>↓                                    </b> |       | 102<br>103 | $\vdash$        | +             | -              | $\sqcup$        | 4        |          | _         |  |   |
|                    | -               | 4          |           |  | $\dashv$ | ╁            | +         | <u> </u> | -               | ┨╏           |                             | 54       | +        | ╁╌       | $\vdash$        | $\dashv$     | $\dashv$  | ╁        | ╁            | ┪╏   |       | 103        | H               | +             | ╁              | H               | $\dashv$ | +        | H         |  |   |
|                    |                 | <b>(5)</b> |           |  |          |              |           |          |                 | 1 [          |                             | 55       |          |          |                 |              |           |          |              | 1 [  |       | 105        |                 |               |                |                 |          |          |           |  |   |
|                    | <u> </u>        | 6          | <b>  </b> |  | $\dashv$ | $\downarrow$ | $\perp$   |          | - -             | <b>↓</b>     |                             | 56       |          | 1        | $\vdash$        | 4            | $\perp$   |          | $\perp$      | ] [  |       | 106        | $\square$       | $\perp$       | _              | Ш               | _        | $\perp$  |           |  |   |
|                    | $\vdash$        | 8          | ٧         | $\vdash$   | $\dashv$ | ╁            | +         | -        |                 | 1 ト          |                             | 57<br>58 | $\dashv$ | ╁        | H               | $\dashv$     | +         | $\dashv$ | ╁            | ┨  |       | 107<br>108 | $\vdash$        | -             | +              | $\vdash$        | -        | +-       | Н         |  |   |
|                    |                 | 9          |           |  | 士        | 土            |           |          |                 | 1 t          |                             | 59       |          |          |                 |              | $\exists$ |          |              | j [  |       | 109        |                 | $\top$        | $\dagger$      | H               |          | $\neg$   | П         |  |   |
|                    |                 | 10         | Н         |  | _        | 4            | +         | L        |                 | <b>↓</b>     |                             | 60       |          | _        |                 | 4            |           |          | 1_           | ] [  |       | 110        | П               | $\perp$       | $\blacksquare$ | П               |          |          |           |  |   |
|                    |                 | 11<br>12   | Н         |  | $\dashv$ | +            | +         | ┝        | $\vdash$        | ┨ ├          |                             | 61<br>62 | +        | ╆        | Н               | +            | +         | +        | +            | ┨  |       | 111<br>112 | $\vdash$        | -             | -              | Н               | _        | $\dashv$ | Н         |  |   |
|                    |                 | 13         |           |  | 士        | $\pm$        |           |          |                 | j [          |                             | 63       | 1        |          |                 | $\dashv$     |           |          | t            | 1  |       | 113        | $\vdash$        | +             | +              | $\vdash$        |          | +        | Н         |  |   |
|                    |                 | 14         | Ш         | Ц  | $\Box$   | Ţ            | $\bot$    |          |                 | ] [          |                             | 64       |          |          |                 |              | $\Box$    | 工        |              | ] [  |       | 114        | П               |               |                |                 |          |          |           |  |   |
|                    |                 | 15<br>16   | Н         | $\dashv$   | +        | +            | ╁         | -        |                 | ┨            |                             | 65<br>66 | -        | ╀        | $\vdash$        | +            | -         | -        | ╁            | ┨╏   |       | 115<br>116 | $\vdash \vdash$ | +             | -              | Н               | -        | -        | H         |  |   |
|                    |                 | 17         |           |  |          |              |           |          | <u> </u>        | 1            |                             | 67       | $\dashv$ | $\vdash$ | H               | $\dashv$     | $\dashv$  | +        | $\vdash$     | 1  |       | 117        |                 | +             | +              | $\vdash$        | +        |          | H         |  |   |
|                    |                 | 18         |           |  |          | $\perp$      | Ţ         |          |                 | 1 E          |                             | 68       |          |          |                 | $\Box$       | $\Box$    |          |              | ] [  |       | 118        |                 |               |                |                 |          |          |           |  |   |
|                    |                 | 19<br>20   | H         |  | -        | +            | ╁         | -        |                 | ┧┝           |                             | 69<br>70 | +        | $\vdash$ | $\vdash$        | $\dashv$     | -         | +        | $\vdash$     | ┨╏   |       | 119<br>120 | H               | +             | -              | $\vdash$        | $\dashv$ |          | Н         |  |   |
|                    |                 | 21         |           |  | $\top$   | $\pm$        | +         |          |                 | 1            |                             | 71       | +        | T        | $\Box$          | 7            | +         | ╁        | +            | 1  |       | 121        |                 | +             | +              | $\vdash$        | ┪        | $\dashv$ | H         |  |   |
|                    |                 | 22         |           |  | $\Box$   | Ţ            |           |          |                 | ] [          |                             | 72       |          |          | $\Box$          | $\Box$       |           |          |              | 1 [  |       | 122        |                 |               |                |                 | $\Box$   |          |           |  |   |
|                    |                 | 23<br>24   | $\vdash$  | $\dashv$   | +        | +            | +         |          | $\vdash$        | ┨┞           |                             | 73<br>74 | +        | $\vdash$ | -               | $\dashv$     |           | +        | ļ            | ┨  |       | 123<br>124 | $\vdash$        | _             | +              | $\vdash \vdash$ | $\dashv$ |          | $\square$ |  |   |
| Ì                  |                 | 25         |           | 7  | 十        | +            | +-        | _        |                 | 1            |                             | 75       | +        | 1-       | $\vdash$        | $\dashv$     | $\dashv$  | +-       |              | 1 }  |       | 125        | $\vdash$        | +             | +              | H               | -        | -        | Н         |  |   |
|                    |                 | 26         |           |  | $\Box$   |              |           |          |                 | 1 [          |                             | 76       |          |          |                 | 丁            |           |          |              |  |       | 126        |                 |               |                |                 |          |          |           |  |   |
|                    |                 | 27<br>28   | $\vdash$  | $\dashv$   | +        | -            | -         |          | <del>   -</del> | I ⊦          | _                           | 77<br>78 | +        | -        | $\dashv$        | $\dashv$     | $\dashv$  | +        | ├-           | <b>∤</b>                                     |       | 127        |                 | 4             | 1              | Н               | 4        |          |           |  |   |
| ŀ                  |                 | 29         | $\vdash$  | 寸  | $\dashv$ | +            | $\dagger$ | -        |                 | 1  -         | 十                           | 79       | ╁        | H        | $\dashv$        | +            |           | +        | $\vdash$     | ┪┟   |       | 128<br>129 | $\dashv$        | +             | +              | $\vdash$        | ┪        |          | $\vdash$  |  |   |
|                    |                 | 30         |           |  | $\perp$  | 1            |           |          |                 | 1 [          |                             | 80       |          |          |                 |              |           |          |              | 1 [  |       | 130        |                 |               |                |                 |          |          |           |  |   |
|                    |                 | 31<br>32   | $\dashv$  |  |          | ╀            | +         | _        | +               | ┨┝           | $\dashv$                    | 81<br>82 | +        | $\vdash$ |                 | 4            | 4         | 4        | $\vdash$     | {  |       | 131        | $\vdash$        | +             |                |                 | 4        | +        | Щ         |  |   |
|                    |                 | 33         | $\dashv$  | $\dashv$   | +        | +            | +         |          | +               | 1  -         |                             | 83       | +        | $\vdash$ | $\dashv$        | 7            | +         | ╁        | ╁            | ┨╏   |       | 133        | +               | +             | +              | Н               | ╅        |          | $\vdash$  |  |   |
|                    |                 | 34         |           | $\Box$   |          |              |           |          |                 | ] · [        |                             | 84       |          |          |                 | ightharpoons |           |          |              | 1 [  |       | 134        |                 |               |                | 世               |          |          |           |  |   |
| }                  |                 | 35<br>36   | $\dashv$  | $\dashv$   | +        | +            | -         | -        |                 | l ⊢          |                             | 85<br>86 | +        | -        |                 | 4            | +         | ┿        | -            |  |       | 135        |                 | _             | $\perp$        | $\sqcup$        | 4        | $\perp$  |           |  |   |
|                    |                 | 37         |           | $\dashv$   | -        | +            | +         |          |                 | -            | -                           | 87       | +        | $\vdash$ | +               | +            | +         | ╁        | ╁            | <b> </b>                                     |       | 136<br>137 | $\dashv$        | - -           | +              | $\vdash$        | $\dashv$ | +        | Н         |  |   |
|                    |                 | 38         |           |  |          |              |           |          |                 |              |                             | 88       |          |          |                 |              |           |          |              | 1 [  |       | 138        |                 |               |                |                 |          |          |           |  |   |
| ŀ                  |                 | 39<br>40   | -         | $\dashv$   | - -      | +-           | -         |          |                 | l ⊢          | 4                           | 89<br>90 |          | $\sqcup$ | 4               | _            | _         | 4        | $oxed{oxed}$ |  |       | 139        | $\perp$         | $\perp$       |                |                 | _        |          |           |  |   |
| -                  |                 | 41         | +         | $\dashv$   | +        | ╁            | +         | $\dashv$ | $\dashv$        | {            | -                           | 91       | +-       | +        | -+              | +            | ╁         | ╁        |              | <b> </b>                                     | -     | 140<br>141 | +               | +             | <del> </del>   | -               | $\dashv$ | +        |           |  |   |
| ļ                  |                 | 42         | $\Box$    | $\exists$  | 工        |              |           |          |                 |              |                             | 92       |          |          |                 | 1            | $\pm$     | I        |              | 1 t  |       | 142        | 士               |               |                |                 | ╛        |          | $\exists$ |  |   |
|                    |                 | 43<br>44   | $\dashv$  | 4  | +        | +            | Щ         | _        | $\perp$         |              |                             | 93       | 工        | П        | $\dashv$        | Ţ            | Ŧ         |          |              |  |       | 143        |                 | $\bot$        |                |                 | $\Box$   |          |           |  |   |
| ŀ                  |                 | 44         | $\dashv$  | +  | +        | +            | +         | $\dashv$ | $\dashv$        |              |                             | 94<br>95 | ╁        | $\vdash$ | +               | +            | +         | +        | $\vdash$     | -  |       | 144<br>145 | +               | +-            | $\vdash$       | $\vdash$        | $\dashv$ | +        | $\dashv$  |  | • |
| į                  |                 | 46         |           |  | 士        | I            | Ш         |          | 士               |              |                             | 96       | 上        |          | $\Box$          | 士            | _         | 士        | $\Box$       |  |       | 146        | _+              |               | Н              |                 | +        |          | $\dashv$  |  |   |
| Į.                 |                 | 47         | $\dashv$  | $\dashv$   | $\perp$  | 1            | $\Box$    | $\dashv$ | $\bot$          |              |                             | 97       |          | П        | 4               | $\bot$       | 1         |          |              |  |       | 147        | $\Box$          | I             |                |                 | 丁        |          |           |  |   |
| F                  |                 | 48         | $\dashv$  | +  | +        | +            | +         | $\dashv$ | +-              | -            |                             | 98<br>99 | +        | Н        | $\dashv$        | +            | +         | +-       | Н            | -  |       | 148<br>149 | $\dashv$        | +             | $\vdash$       | $\dashv$        | +        | +-1      | $\dashv$  |  |   |
| į                  |                 | 50         |           | ightharpoons                                     | 士        | İ            | 力         |          |                 |              |                             | 100      | $\perp$  |          | $\dashv$        | _            | +         | +-       | Н            |  |       | 150        | $\dashv$        | +             | $\vdash$       | $\dashv$        | $\dashv$ | +        | $\dashv$  |  |   |
|                    |                 |            |           |  |          |              |           |          |                 |              |                             |          |          |          | _               | _            |           |          |              |  |       |            |                 |               |                |                 |          |          |           |  |   |

Application/Control No.

Applicant(s)/Patent under